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ABSTRACT OF THE DISCLOSURE

fabricating Fiber Bragg Grating for method Α elements and planar light circuits made thereof. A mask having a predetermined pattern and a wafer are provided, wherein a light-guiding channel filled with lightguiding substance is formed on the wafer. A photoresist layer is then formed to cover the wafer. Magnification of a photolithography apparatus is adjusted to a first Mag., followed by transferring the pattern on the mask to the photoresist layer to form a first pattern. Light-guiding substance not covered by the photoresist layer is then removed so that the first pattern is transferred to the light-guiding channel. The lightthen forms a Fiber Bragg Grating channel quiding element.